

1030MHz SAW Filter
Part No: MA04281

Model: TA0177A
Rev No: 5

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

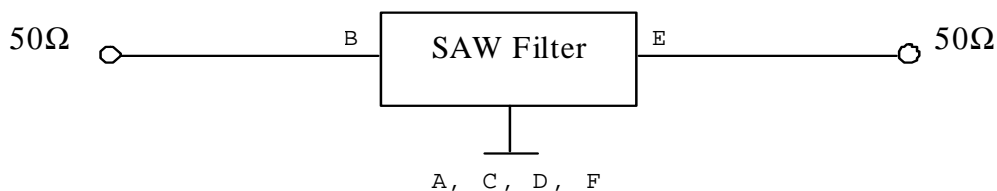
B. ELECTRICAL CHARACTERISTICS:

Characteristics (at 25°C)	Min.	Typ.	Max.
Center frequency Fc (dB)	-	1030	-
Insertion loss within 1015 ~ 1045MHz IL (dB)	-	2.3	3.0
Amplitude ripple (p-p) within 1025 ~ 1035MHz (dB)	-	0.25	1.0
Attenuation (Reference level from 0dB)			
DC ~ 910MHz (dB)	25.0	29.5	-
1090 ~ 1300MHz (dB)	25.0	32.5	-
VSWR within 1015 ~ 1045MHz	-	1.8	2.1
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

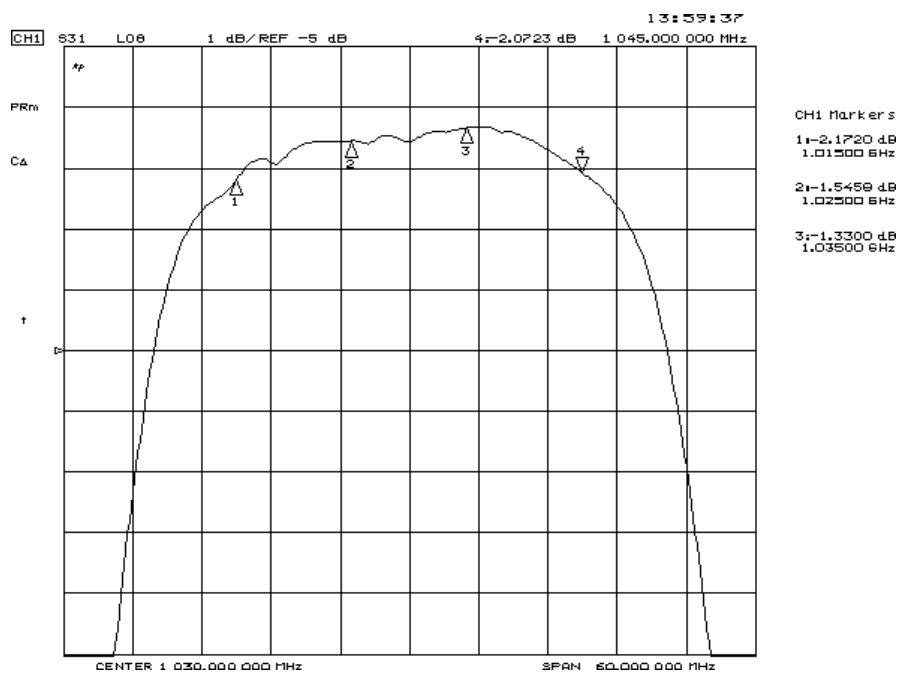
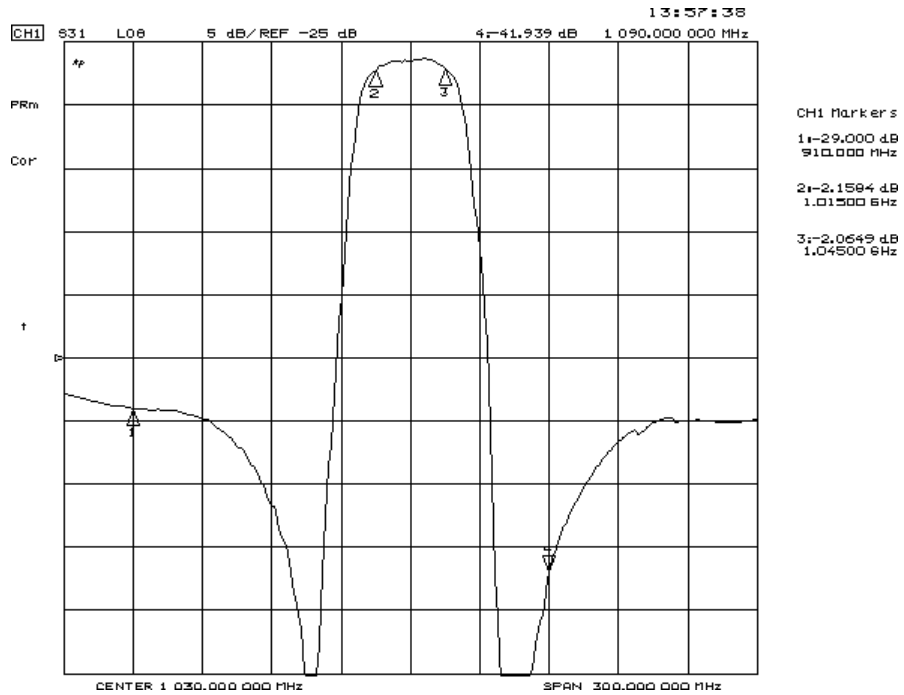
HP Network analyzer



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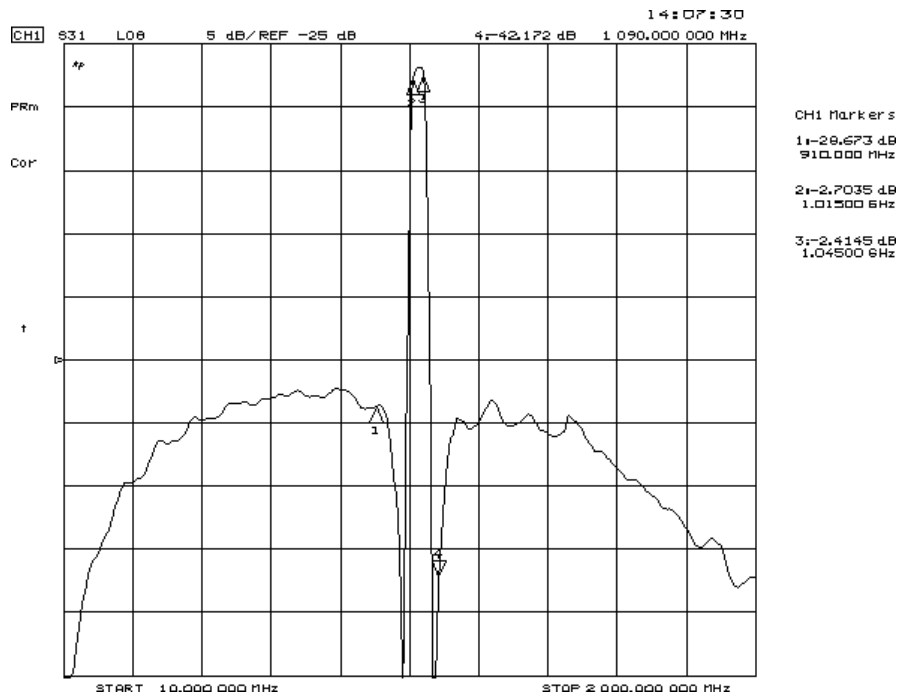
D. FREQUENCY CHARACTERISTICS:



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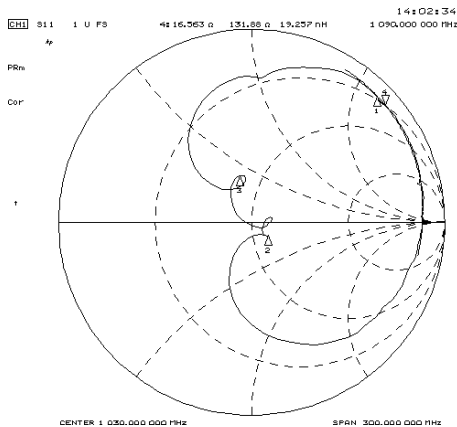
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(wideband)

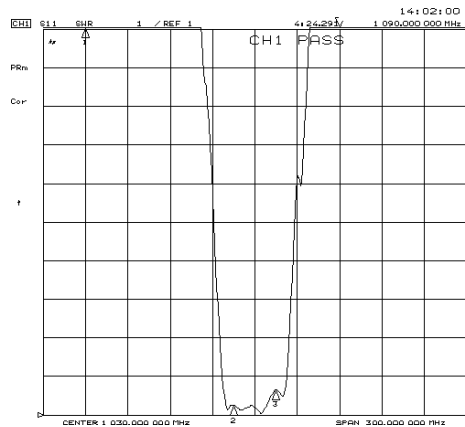


Reflections Functions

S11

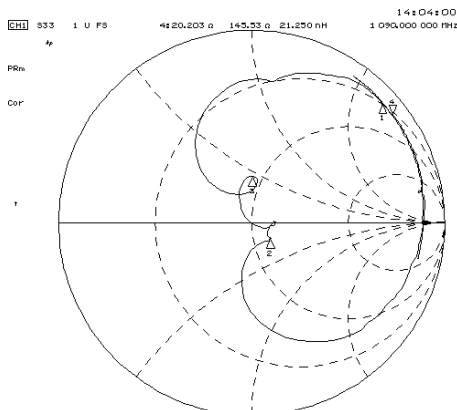


1	13.672 a	118.90 a	910.000 MHz
2	55.058 a	8.2637 a	1.01800 GHz
3	39.427 a	20.357 a	1.04800 GHz

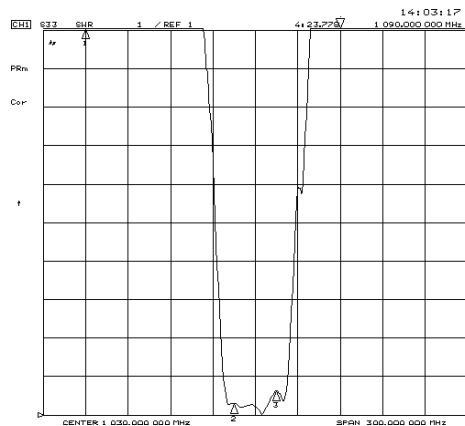


1	24.509	910.000 MHz
2	1.2471	1.01500 GHz
3	1.5615	1.04800 GHz

S22



1	15.441 a	126.89 a	910.000 MHz
2	59.961 a	10.004 a	1.01800 GHz
3	44.888 a	22.377 a	1.04800 GHz

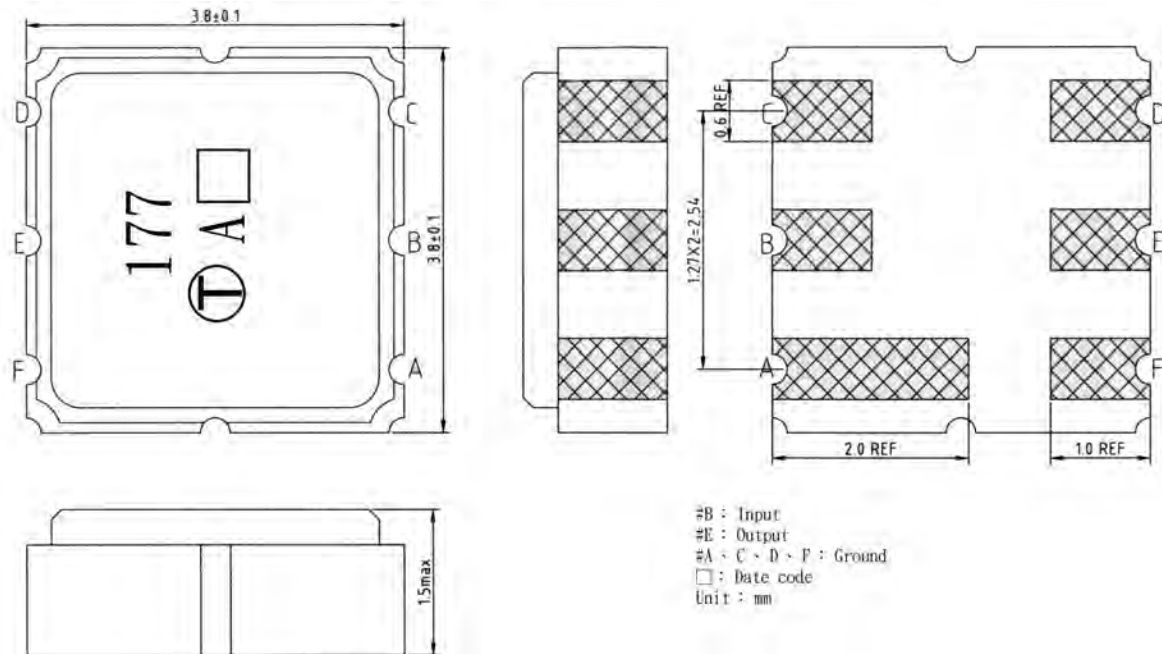


1	24.325	910.000 MHz
2	1.2340	1.01500 GHz
3	1.6380	1.04800 GHz

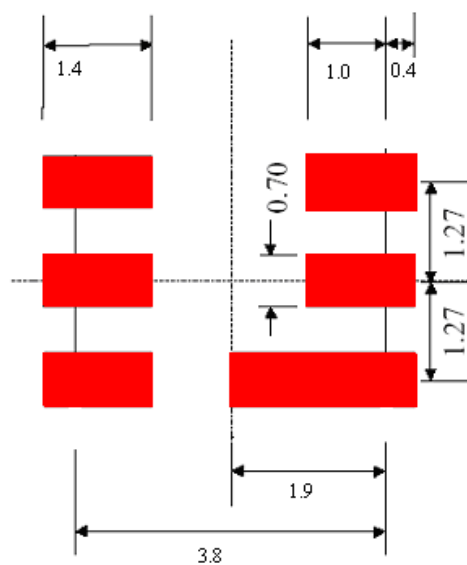
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E. OUTLINE DRAWING:



F. PCB FOOTPRINT:



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H. RECOMMENDED REFLOW PROFILE:

